

**AMENDMENTS TO THE SPECIFICATION**

Please replace paragraph [0028] with the following paragraph in the specification:

[0028] Once an RTL design, including PLI system calls (202), has been coded, the RTL design is compiled to generate a ~~compiled~~ compiled RTL design (204). In addition, the corresponding PLI, which includes the functions that are called via the PLI system calls (202) in the compiled RTL design, is also compiled to generate a compiled PLI (206). At this stage, the compiled RTL design (204) and the compiled PLI (206) are linked (*i.e.*, the binary files corresponding to the compiled PLI (206) and the compiled RTL design (204) are linked).

Please replace paragraph [0034] with the following paragraph in the specification:

[0034] Figure 5 illustrates a flow chart for determining relationships between state elements in accordance with one embodiment of the invention. Initially, a state element in the RTL design is identified (Step 500). In one embodiment of the invention, the state elements in the RTL are ~~identifying~~ determined by identifying all the arguments in the PLI calls and then tracing through the RTL design to identify the state elements of the RTL that correspond to the arguments.

Please replace paragraph [0044] with the following paragraph in the specification:

[0044] When an internal system call to encoded PLI functionality (604) is encountered during the execution of the compiled RTL (606), the internal system call ~~retrieve~~ retrieves the requested information from the encoded PLI functionality (604). In the context of RTL design verification, the request information typically corresponds to a request for encoded reference values, such as those described in Figure 4. In addition, if a PLI system call (602) is encountered during execution of the compiled RTL design (606), the execution of the compiled RTL design (606) pauses while the PLI system call (602) invokes a function in the compiled PLI (608).